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1901

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MEDICAL DEPARTMENT — WASHINGTON UNIVERSITY.

ANNOUNCEMENT

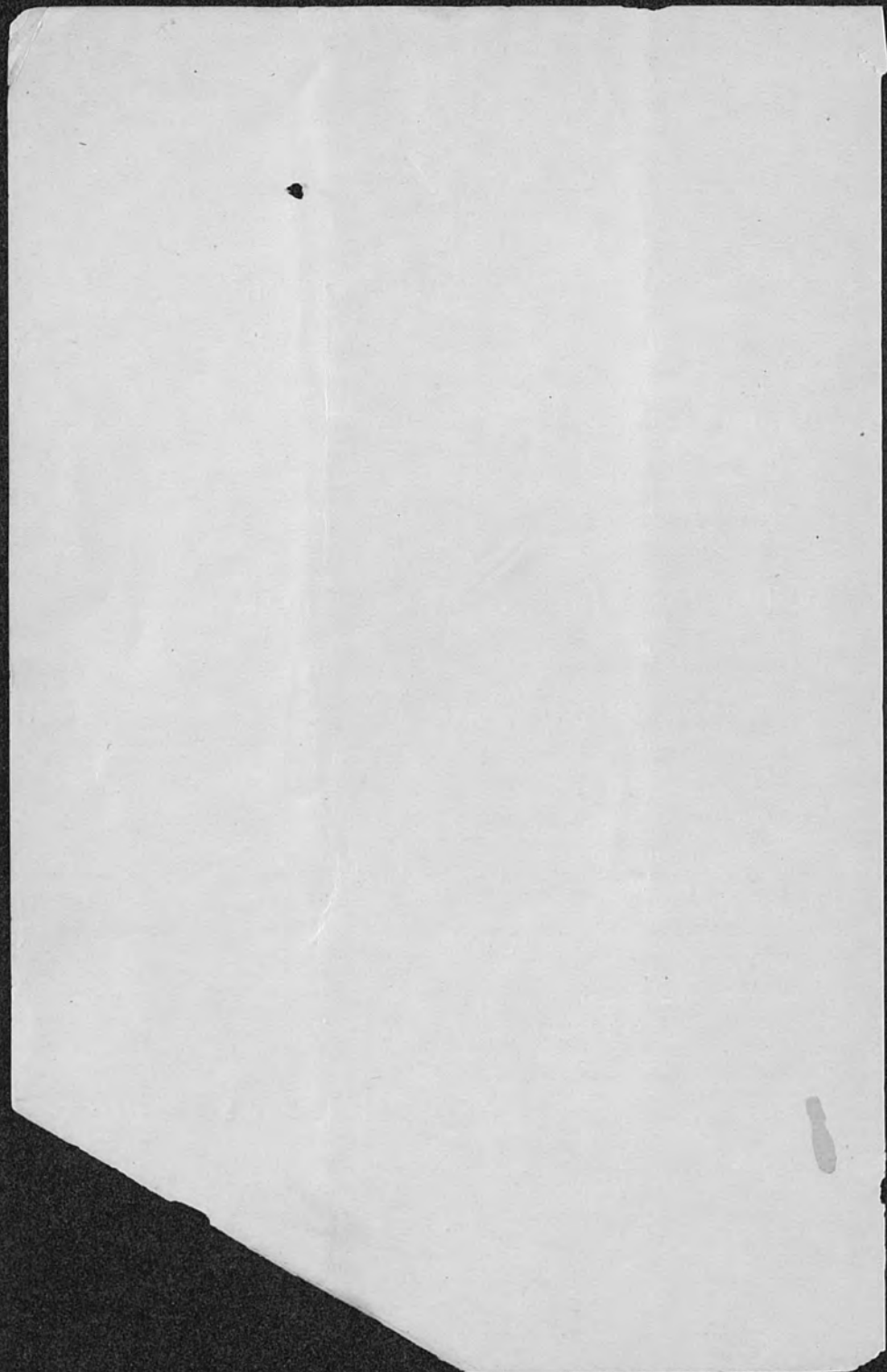
OF

Summer Courses of Instruction

MAY AND JUNE, 1901.



SAINT LOUIS, MISSOURI.



INSTRUCTORS.

- Professor HENRY SCHWARZ, M.D., Obstetrics.
Professor W. H. WARREN, A.M., Ph.D., Chemistry.
Professor R. J. TERRY, M.D., Anatomy.
Professor A. J. STEELE, M.D., Orthopedic Surgery.
Professor AMAND RAVOLD, M.D., Bacteriology and Hygiene.
Professor ELSWORTH SMITH, JR., M.D., Medicine.
CHARLES H. DIXON, M.D., Surgery.
HENRY L. WOLFNER, M.D., Ophthalmology.
EDWIN C. BURNETT, M.D., Syphilis.
ALBERT E. TAUSSIG, M.D., Urinology.
THEODORE KODIS, M.D., Pathology.
GIVEN CAMPBELL, JR., M.D., Neurology.
H. S. CROSSEN, M.D., Gynecology.
JOHN ZAHORSKY, M.D., Pediatrics.
H. A. GEITZ, M.D., Minor Surgery and Bandaging.
PHIL. HOFFMAN, M.D., Orthopedic Surgery.
M. F. ENGMAN, M.D., Dermatology.
M. A. BLISS, M.D., Neurology.
M. W. HOGE, M.D., Neurology.
M. J. LIPPE, M.D., Pediatrics.
W. L. JOHNSON, M.D., Pediatrics.
M. WIENER, M.D., Ophthalmology.
M. B. CLOPTON, M.D., Surgery.
AARON LEVY, M.D., Pediatrics.
CHARLES A. SNODGRAS, Histology.

SUMMER INSTRUCTION
IN THE
MEDICAL DEPARTMENT OF WASHINGTON
UNIVERSITY.

Courses of instruction, beginning May 6th, and ending July 6th, 1901, will be given under the auspices of the Medical Department of Washington University, 1806 Locust street, Saint Louis, Missouri.

The instructors, in offering these various courses, have in mind particularly those physicians who desire clinical and laboratory practice, and may wish to avail themselves of the opportunity to prosecute their studies along these special lines. At the same time those who are not graduates in medicine will be admitted to these courses, provided they can satisfy the instructors of their fitness to undertake the work.

At the end of a course those who have been in regular attendance will receive, upon request, a certificate stating this fact.

The fee for a course must be paid in full to the instructor in charge before permission to attend the lectures or clinics will be given. In every case this fee will include the cost of all materials which may be used. If for any reason a matriculant is unable to complete the course or courses, which he may have chosen, no portion of the fee will be refunded.

It is possible to procure board and lodging within convenient walking distance of the Medical School for sixteen dollars per month and upwards.

For further particulars, address W. H. Warren, 1806 Locust street.

OBSTETRICS.

PROFESSOR SCHWARZ.

Lectures on the physiology and pathology of pregnancy, labor and the lying-in-state, and the management of pregnancy and labor and of obstetrical emergencies will be given.

Use of the forceps, management of breech-presentations, different forms of versions, craniotomy and decapitation will be demonstrated on the manikin. Each student will be drilled in these operations.

Diagnosis of pregnancy, measurement of the pelvis, management of labor and of the puerperium will be practiced on patients of the obstetrical out-clinic.

A certificate of attendance will be given to those who attend (under supervision) at least one case of confinement from the beginning of labor to the tenth day of the puerperal state.

Fee twenty-five dollars.

CHEMISTRY.

PROFESSOR WARREN.

Courses are offered in the following subjects: General Inorganic Chemistry; Qualitative and Quantitative Analysis; Organic Chemistry.

Those qualified may receive instruction in Physiological Chemistry, Toxicology, Sanitary Water Analysis and Analysis of Foods.

The work will be mainly practical, but lectures will also be given.

Fee for any course, thirty dollars.

TOPOGRAPHICAL ANATOMY.

PROFESSOR TERRY.

A course of twenty-two demonstrations, supplemented by the use of the lantern.

The work will be directed in the main to the topography of the Head, Abdomen and Pelvis.

Fee for complete course, twenty dollars; single demonstrations, one dollar.

Course limited to numbers between ten and twenty.

ORTHOPEDIC SURGERY.

PROFESSOR STEELE AND DR. HOFFMAN.

Lectures and clinical work will be given by Professor Steele at the Polyclinic Hospital, and by Dr. Hoffman at St. John's Hospital. The use of plaster of Paris, making of leather splints and mechanical appliances for treatment of joint diseases will be explained. Tenotomies and osteotomies and other orthopedic operations will be performed on cases which present themselves at the clinics.

Fee for each course, fifteen dollars.

BACTERIOLOGY.

PROFESSOR RAVOLD.

This course will give the student experience with the practical laboratory methods used in bacteriological work.

Nutritive media, platings of pure cultures and colony characteristics will be studied. Use and preparation of aniline dyes in staining bacteria in fluids, secretions and tissues; special staining of flagella and spores.

The following bacteria will be studied: Bacteria of suppuration, *Bacillus typhosus*. Diagnosis of typhoid fever by the Widal reaction. Differentiation of *Bacillus coli communis* from *Bacillus typhosus*. *Bacillus diphtheriae* in throat secretions. Preparation of diphtheria toxins. Tests of their virulence. Inoculation of horses for the production of antitoxin; bleeding of horses and estimation of antitoxic strength of serum. *Bacillus tuberculosis* in sputum, urine and tissues. Staining of gonococcus and its differentiation. *Bacillus anthracis* and spores. *Spirillum* of Asiatic cholera. *Bacillus* of malignant oedema and of tetanus.

Fee thirty dollars.

INTERNAL MEDICINE AND PHYSICAL DIAGNOSIS.

PROFESSOR ELSWORTH SMITH, JR.

A course of six weeks with five clinics each week, three at the Mullanphy Hospital, one at the City Hospital and one at the O'Fallon Dispensary.

Principles of Physical Diagnosis as applied to diseases of the chest and abdomen. Therapeutic indications and the latest methods of treatment with results. Diseases of the heart. Discrimination between different cardiac lesions. Latest methods of treating heart affections.

Practical illustration of "Schott bath treatment."

The course will not be given to less than ten nor more than twenty applicants.

Fee twenty-five dollars.

SURGERY.

DR. DIXON.

This course will extend over a period of eight weeks and will consist of two clinics weekly, one at the City Hospital and one at the Polyclinic Hospital.

Fee twenty-five dollars.

CLINICAL OPHTHALMOLOGY AND HISTO- PATHOLOGY OF THE EYE.

DR. WOLFNER AND DR. WIENER.

This course will extend over a period of six weeks, and will require four hours each week.

Under the direction of Dr. Wolfner, two hours of clinical teaching, including operations, use of the ophthalmoscope and refraction work, will be given each week.

Dr. Wiener will offer practical work in preparing histological and pathological eye specimens; two hours each week.

This course will not be given to less than five applicants.

Fee twenty-five dollars.

GENITO-URINARY DISEASES AND SYPHILIS.

DR. BURNETT.

A course of seven weeks, which will be mainly clinical.

Those attending will have every opportunity to become familiar with the use of sounds, bougies and catheters; the endoscope and cystoscope, together with the topical applications of medicines used in the treatment of the diseases coming under the above heading.

Fee thirty dollars.

CLINICAL CHEMISTRY AND MICROSCOPY.

DR. TAUSSIG.

A course in Clinical Chemistry and Microscopy. The same number of hours will be given to each subject.

The first part of the course, during May, will be in Clinical Microscopy, including the thorough examination of urinary sediments, blood, stomach contents, faeces, sputum, pus, etc.

The second part of the course, during June, will be in the chemistry of the urine and of stomach contents.

Each course will take one hour and a half daily, six times a week, and will not be given to less than ten nor more than twenty applicants.

Fee for the first course, fifteen; for the second, twenty dollars.

PATHOLOGY.

DR. KODIS.

A course of two hours of laboratory work five times a week. It will include the following:

Methods of fixing, hardening and staining pathological specimens, and the microscopical examination of fresh pathological material.

Microscopical examination of the following pathological changes: Necrosis of Tissue; Degenerations (amyloid, fatty, hyaline, etc.); Atrophy; Acute and Chronic Inflammation; Granulation and Repair of Tissue; Granulomata (tuberculosis, syphilis, etc.); Thrombi, Emboli and Infarcts; Tumors (fibroma, lipoma, etc., different varieties of sarcoma and carcinoma).

Pathological changes in different organs not included above, such as diseases of the heart, lungs, kidneys, liver, intestines and bones.

Blood examinations, such as counting, fixing and staining blood corpuscles.

The opportunity will be given to examine fresh material for diagnostic purposes, such as scrapings from the uterus, pus, malarial blood, etc.

Those wishing to take the course should notify Dr. Kodis on or before April 20th.

Fee thirty dollars.

NERVOUS AND MENTAL DISEASES.

DR. GIVEN CAMPBELL, DR. BLISS AND DR. HOGE.

This course will include clinical and didactic neurology. One didactic lecture each week, by Dr. Campbell. Clinics six hours each week; clinical instruction at the Polyclinic Hospital, and at the City Hospital by Dr. Campbell; at the O'Fallon Dispensary by Drs. Bliss and Hoge; and at the Mullanphy Hospital by Dr. Bliss. The course will include electro-therapeutics and diagnosis.

Fee for entire course, fifteen dollars.

GYNECOLOGY.

DR. CROSSEN.

A course of six weeks in the diagnosis and treatment of Diseases of Women. One hour and a half, three times a week, will be given.

In a half-hour lecture, before each clinic, the principal points in the diagnosis and treatment of gynecological diseases will be considered. In the clinic the steps in the diagnosis and the treatment will be demonstrated.

Those taking the course will be permitted to examine patients and to assist in the treatment. Special importance is attached to the personal work of the student. Patients undergoing operation in the clinic are cared for in the hospital, in the same building, and they may again be brought before the class, as desired.

Fee twenty-five dollars.

PEDIATRICS.

DR. ZAHORSKY AND DRS. LIPPE, JOHNSON AND LEVY.

A six weeks course; eight hours a week.

Dr. Zahorsky will give two clinical lectures each week at St. John's Dispensary. Further clinical lectures will be given weekly, as follows: One lecture by Dr. Lippe at St. John's Dispensary; one lecture by Dr. Johnson at Bethesda Home; and two lectures by Dr. Levy at Bethesda Home.

In addition, the following subjects will be considered: Infant Feeding and Microscopical Diagnosis by Dr. Zahorsky at Bethesda Home; and Physical Examination by Dr. Johnson at Bethesda Home.

Demonstrations in intubation and tracheotomy and post-mortem examinations will be given.

Fee twenty-five dollars.

MINOR SURGERY, BANDAGING AND ANESTHETICS.

DR. GEITZ.

A six weeks course, including eight to ten lectures with a certain amount of clinical instruction. Treatment of hemorrhage, materials for sutures and stitches, drainage and surgical dressings will form part of the course.

This course will not be given to less than ten applicants.

Fee fifteen dollars.

DISEASES OF THE SKIN.

DR. ENGMAN.

A course of six weeks at the Polyclinic Building. The material available will permit the demonstration of a great variety of skin diseases.

There will be three clinical and two didactic lectures each week. As far as possible, the clinical lectures will be illustrated by drawings and microscopical sections showing the histo-pathology of the various diseases brought before the class.

Special lectures will also be given during this course upon the general pathology, histo-pathology, parasitism, diagnosis and therapy of skin diseases.

Fee twenty dollars.

INTESTINAL SURGERY.

DR. CLOPTON.

A course of five didactic lectures and twelve operative demonstrations.

The operative course will cover by demonstration and individual performance the various operations on the intestinal canal of the living animal and the cadaver.

Every student will be allowed to operate and familiarize himself with the toilet of the peritoneal cavity.

Fee eighteen dollars.

HISTOLOGY.

MR. SNODGRAS.

This course will familiarize the student with the methods used in preparing animal tissues for histological study. It will include fixing, infiltration, imbedding, sectioning and staining of the tissues.

The work, supplemented by explanatory lectures, will be mainly practical. It will begin with the cell and then take up the blood and elemental tissues.

The following will be studied: vascular and lymphatic systems; digestive organs; organs of respiration; genito-urinary organs; the skin and its appendages; and the central nervous system.

The course will not be given to less than ten applicants.
Fee thirty dollars.



